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Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

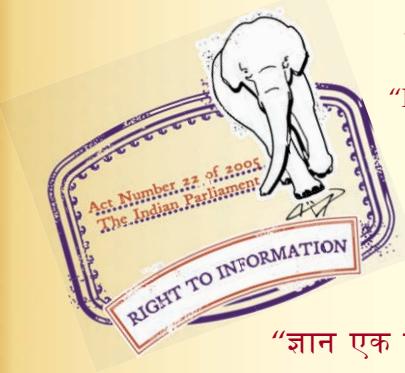
“Step Out From the Old to the New”

IS 12420-3 (1988): Circular Audio Connectors, Part 3: Plug, Five Contacts, Nonrigid Type 12420 IS-02 [LITD 3: Electromechanical COmponents and Mechanical Structures for Electronic Equipment]

“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”





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# SPECIFICATION FOR

## CIRCULAR AUDIO CONNECTORS

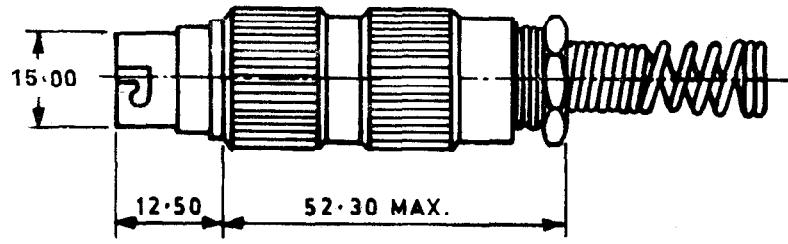
### PART 3 PLUG, FIVE CONTACTS, NONRIGID TYPE 12420 IS-02

**0. General** — This standard shall be read in conjunction with IS : 12420 ( Part 1 ) 'Specification for circular audio connectors: Part 1 Test schedule and requirements'.

**1. Type Designation** — The type designation [ see 4.1 of IS : 12420 ( Part 1 ) ], type of contact and typical mating connector for this type of connector are given below:

Type No,	Type of Contact	Typical Mating Connector
12420 IS-02	Solder	12420 IS-03

**2. Outline and Dimensions** — The outline and dimensions shall be according to Fig. 1.



All dimensions in millimetres.

FIG. 1 OUTLINE AND DIMENSIONS

**3. Material, Finish and Life** — The material, finish and life requirement shall be as given below:

**a) Material**

- Outer shell : Diecast alloy
- Dielectric : DAP/Rubber
- Contact : Be-Cu gold plated
- Mounting parts : Brass

**b) Finish**

All shell and mounting parts to be finished to cadmium plate with olive drab chromatic finish.

**c) Mechanical** : 1 500 mating cycles at a rate of 30 cycles/minute.

**4. Climatic Category**

- a) Temperature severity** : -55 to +85 °C
- b) Damp heat severity** : 56 days
- c) Air pressure severity** : 8.5 kPa
- d) Acceleration (Steady state)** : 170 m/s<sup>2</sup>
- e) Vibration** : 10 to 55 Hz
- f) Shock** : 500 m/s<sup>2</sup>

**5. Electrical Characteristics**

- a) Current rating** : 500 mA, *Max*
- b) Voltage rating** : 60 V, *Max*
- c) Contact resistance** : 40 milliohms

Adopted 24 June 1988

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**IS : 12420 ( Part 3 ) - 1988**

- 6. Tests — See 8 of IS : 12420 ( Part 1 ).**
- 7. Marking — See 5 of IS : 12420 ( Part 1 ).**

#### **EXPLANATORY NOTE**

This standard is based on JSS 50 831 ( Nov 1972 ) 'Detail specification for connectors, circular, audio'. The types of connectors covered in this standard are equivalent to pattern JSS 50 831/02-01.